## CLAIMS

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1/ An intraocular implant for a capsular bag, the implant comprising:

an optical portion (10) presenting an anterior optical surface (24) and a posterior optical surface (26);

at least one haptic element (12, 14), each haptic element presenting a connection zone (16, 18) at the periphery of the optical portion, which zone extends over a significant portion of the periphery of the optical portion, said implant being characterized in that:

outside the connection zones (16, 18), the optical portion further comprises a cylindrical side face of diameter D1 connected to the posterior optical surface of the optical portion and parallel to the optical axis of the implant, the length of the side face along the axis being equal to h;

the posterior optical surface is bounded by a circle of diameter D1;

and in that it further comprises, in each connection zone, a radial extension (30, 32) presenting an anterior face (30a), a posterior face (30b), and a side face (30c) substantially disposed on a ruled surface of diameter D2 where D2 > D1, and presenting a length h' in the direction of the axis, said length h' being substantially equal to h;

the posterior face (30b) of each extension is disposed on the spherical cap containing the posterior optical surface;

each haptic element (12, 14) being connected to the optical portion (10) via the anterior face (30a) of the corresponding extension, on the outside of the anterior optical surface (24), whereby each extension constitutes a step formed by the offset between the posterior optical surface (26) of the optical portion and the connection zone of the haptic element, the side face (30c) of each

extension forming a square-edged portion with the posterior optical surface.

2/ An implant according to claim 1, characterized in that the lengths  $\underline{h}$  and h' of the side faces (30c) in the direction of the optical axis are not less than 150  $\mu$ m.

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3/ An implant according to claim 1 or 2, characterized in that the spherical cap, on which are disposed the posterior optical surface (26) of the optical portion and the posterior faces of the extensions (30b), has a radius lying in the range 11 mm to 13 mm.

4/ An implant according to any one of claims 1 to 3, characterized in that the haptic portion (12, 14) forms an angle  $\underline{a}$  lying in the range 5° to 12° relative to the optical plane and directed towards the anterior face.

5/ An implant according to any one of claims 1 to 4, characterized in that the anterior optical surface (24) is bounded by a circle having a diameter D0 that is less than the diameter D1.

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